What Is Claimed Is:

1. A write processing method for stream type commands for writing write data to a storage medium by a head according to the stream type command, comprising the steps of:

writing received write data of said stream type commands to a buffer;

writing the write data of said buffer sequentially to said storage medium by said head while confirming whether the writing succeeded;

skipping sectors where said writing did not succeed when said writing did not succeed in said writing step and protecting the write data in the sector where writing did not succeed by said buffer; and

writing the write data of said protected sectors to said storage medium by said head after said stream type commands are executed.

2. The write processing method for stream type commands according to Claim 1, further comprising a step of restarting the write processing of said head after stopping the write processing to said storage medium when said writing did not succeed.

3. The write processing method for stream type commands according to Claim 2, wherein said protect step

comprises a step of protecting the write data of the sector where said writing did not succeed and the sector for which writing was skipped until restart.

4. The write processing method for stream type commands according to Claim 1, wherein said step of writing the write data of said protected sector comprises a step of enabling a predetermined number of times of retries when the writing of said write data did not succeed.

5. The write processing method for stream type commands according to Claim 1, wherein said protect step comprises a step of storing the sector where said writing did not succeed and the address of said buffer of the write data of said sector in a protect table.

6. The write processing method for stream type commands according to Claim 5, wherein the step of writing the write data of said protected sector comprises a step of writing the write data of said buffer in reference to said protect table.

7. The write processing method for stream type commands according to Claim 3, wherein said protect step comprises:

a step of calculating the shortest start sector in terms of the time up to said restart after said write processing is

stopped; and

a step of protecting the write data of the sector where said writing did not succeed and the sector where writing was skipped up to said restart obtained from said calculation result.

8. The write processing method for stream type commands according to Claim 1, wherein said storage medium comprises a rotating disk medium.

9. The write processing method for stream type commands according to Claim 1, wherein said protect step comprises a step of recognizing that said command is said stream type command and executing said protection when said writing did not succeed.

10. A medium storage apparatus for writing data to a storage medium by a head comprising:

a buffer for storing write data received along with stream type commands;

a controller for sequentially writing the write data of said buffer to said storage medium by said head; and

a processing unit for confirming whether said writing succeeded, and skipping sectors where said writing did not succeed and protecting the write data of said sector where writing did not succeed by said buffer when said writing did not succeed,

wherein said processing unit writes the write data of said protected sectors to said storage medium by said head after executing said stream type commands.

11. The medium storage apparatus according to Claim 10, wherein when said writing did not succeed, said processing unit restarts the write processing of said head after the write processing to said storage medium is stopped.

12. The medium storage apparatus according to Claim 11, wherein said processing unit protects the write data of the sector where said writing did not succeed and the sector for which writing was skipped until restart.

13. The medium storage apparatus according to Claim 10, wherein said processing unit allows a predetermined number of times of retries when the writing of said write data did not succeed when the write data of said protected sector is written.

14. The medium storage apparatus according to Claim 10, wherein said processing unit stores the sector where said writing did not succeed and the address of said buffer of the write data of said sector in a protect table.

15. The medium storage apparatus according to Claim 14, wherein said processing unit writes the write data of said

buffer in reference to said protect table.

16. The medium storage apparatus according to Claim 12, wherein said processing unit calculates the shortest start sector in terms of the time up to said restart after said write processing is stopped, and protects the write data of the sector where said writing did not succeed and the sector for which writing was skipped up to said restart obtained from said calculation result.

17. The medium storage apparatus according to Claim 10, wherein said storage medium is a rotating disk medium.

18. The medium storage apparatus according to Claim 10, wherein said processing unit recognizes that said command is said stream type command and executes said protection when said writing did not succeed.